

What is claimed is:

1. A portable communication terminal with a function of transmitting e-mail, comprising:

5 (a) a first input device for inputting characters to form a character data for an e-mail message;

(b) a second input device for inputting an additional expression data for the character data;

the additional expression data giving a variation of expression on the respective characters of the character data;

10 (c) a transmission data generator for generating a transmission data by linking the character data with the additional expression data and by converting the character data and the additional expression data thus linked to the transmission data; and

15 (d) a radio device for transmitting the transmission data by radio to a recipient as e-mail.

2. The terminal according to claim 1, wherein keys or buttons provided on the terminal are used as at least one of the first and
20 second input devices.

3. The terminal according to claim 1, wherein a microphone is used as at least one of the first and second input devices.

4. The terminal according to claim 1, wherein the additional expression data represents at least one of size, color, and font of the respective characters of the character data.

5 5. The terminal according to claim 1, wherein the additional expression data represents at least one of tone, stress, accent, and intonation of voice to be generated according to the respective characters of the character data.

10 6. A portable communication terminal with a function of receiving e-mail, comprising:

(a) a radio device for receiving a transmission data transmitted by radio as e-mail from a sender;

the transmission data containing a character data and an
15 additional expression data for the character data;

the character data being linked with the additional expression data;

the character data being formed by characters for an e-mail message;

20 the additional expression data giving a variation of expression on the respective characters of the character data;

(b) a reception data regenerator for regenerating the character data and the additional expression data from the transmission data received by the radio device; and

(c) a display device with a screen;

the display device displaying the characters of the character data regenerated by the reception data regenerator on the screen according to the additional expression data regenerated
5 by the reception data regenerator.

7. The terminal according to claim 6, wherein the additional expression data represents at least one of size, color, and font of the characters of the character data;

10 and wherein the display device displays the characters of the character data on the screen while changing the at least one of size, color, and font of the respective characters of the character data according to the additional expression data.

15 8. The terminal according to claim 6, further comprising;

a character-voice converter for converting the character data to a voice data; and

a voice generator for generating a voice according to the voice data are additionally provided;

20 wherein the additional expression data represents at least one of tone, stress, accent, and intonation of the voice;

and wherein the voice generator generates a voice while changing the at least one of tone, stress, accent, and intonation of the voice according to the additional expression data.

9. A method of transmitting/receiving e-mail messages between portable communication terminals, the method comprising the steps of:

5 (a) in a transmitting portable communication terminal;

(a-1) inputting characters to form a character data for an e-mail message;

(a-2) inputting additional expression data for the character data;

10 the additional expression data giving a variation of expression on the respective characters of the character data;

(a-3) generating a transmission data by linking the character data with the additional expression data and by converting the character data and the additional expression data thus linked to the transmission data; and

15 (a-4) transmitting the transmission data by radio to a recipient as e-mail: and

(b) in a receiving portable communication terminal;

20 (b-1) receiving the transmission data transmitted by radio from the transmitting portable communication terminal as e-mail;

(b-2) regenerating the character data and the additional expression data from the transmission data received in the step

(b-1); and

(b-3) displaying the characters of the character data regenerated

in the step (b-2) on a screen according to the additional expression data regenerated in the step (b-2).

10. The method according to claim 9, wherein keys or buttons
5 provided on the transmitting terminal are used to conduct at least one of the steps (a-1) and (a-2).

11. The method according to claim 9, wherein a microphone is used
to conduct at least one of the steps (a-1) and (a-2).

10 12. The method according to claim 9, wherein the additional expression data represents at least one of size, color, and font of the respective characters of the character data.

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15 13. The method according to claim 12, wherein the display device displays the characters of the character data on the screen while changing the at least one of size, color, and font of the respective characters of the character data according to the additional expression data.

20 14. The method according to claim 9, wherein the additional expression data represents at least one of tone, stress, accent, and intonation of voice to be generated according to the respective characters of the character data.

15. The method according to claim 14, wherein the receiving terminal further comprises

a character-voice converter for converting the character data to a voice data; and

a voice generator for generating a voice according to the voice data are additionally provided;

and wherein the voice generator generates a voice while changing the at least one of tone, stress, accent, and intonation of the voice according to the additional expression data.